

6

Automation Computers

- ☞ 6-2 Industrial Edge Platforms
- ☞ 6-4 Real-time Embedded Controllers
- ☞ 6-5 IoT Automation Gateways
- ☞ 6-6 Edge AI Expandable PCs
- ☞ 6-7 IoT Edge Gateways
- ☞ 6-8 Domain-focused Edge Gateways
- ☞ 6-9 iDoor Technology Modules
- ☞ 6-10 iDoor Support Table



Advantech Industrial
Ideal for diverse edge computing applications

Machine Builder
Equipment Facility
Factory Automation

Machine Control
Protocol Conversion

CODESYS **WISE-EdgeLink** **WebAccess/HMI** **WISE-PaaS/SCADA**

Real-time Embedded Controllers
UNO-100

Edge AI Expandable PCs
UNO-3000

IoT Automation
UNO-2000

Real-Time Embedded Controllers

Advantech's UNO-100 are real-time embedded controllers with compact, ruggedized, and fanless features. New modular design provides configuration flexibility for customers to optimize their applications in a more cost-efficient way. UNO-100 offers application-oriented expansion including iDoor technology or PCIe cards, Fieldbus communication, Wi-Fi/LTE, Digital I/O, and PoE. It supports versatile mounting options via DIN-rail, wall, enclosure, and panel mounts to ensure easy installation in all kinds of applications.

Edge AI Expandable PCs

Advantech's UNO-3000 all-in-one design with removable top cover ensures easy maintenance. Equipped with diverse and flexible expansion: mPCIe(Fieldbus), PCIe (High density I/O), and PCI (Motion card) it is perfectly suitable as a high performance Edge AI PC. With iDoor technology, UNO-3000 also supports automation feature extensions such as Fieldbus communication, Wi-Fi/4G, Digital I/O, and PoE, and its dual hot-swappable storage design ensures high data security.

IoT Automation Gateways

Advantech's IoT automation gateways offer flexible and expandable features based on new modular designs. Integrated with iDoor expandability and stackable modular design, the UNO-2000 is adapted for different kinds of embedded automation applications. The units can be easily integrated with Advantech WISE-PaaS software which helps bridge the gap between IT and OT. UNO-2000 is suitable for individual design requirements that enable flexible and manageable configurations.

Edge Platforms

that bridging OT to IT seamlessly

Building Automation

Public Utility

Oil & Gas

Visualization



Predictive Maintenance



Data Analytics

WISE-PaaS/ DeviceOn

EDGECROSS
CONSORTIUM

Microsoft Azure



Gateways



IoT Edge Gateways
WISE-700/ UNO-200



Domain-focused Edge Gateways
UNO-400

IoT Edge Gateways

Advantech's WISE-7 and UNO-2 series are the bridge for data from edge devices to the cloud and play a central role in IoT Edge Gateway applications. Thanks to their digital and analog I/O, this series offers the capability of fast connectivity to edge devices. All collected data can be delivered to the cloud by Giga Lan and high speed RF technologies. With UNO-2 series installed, your system will benefit from the video output features that will allow you to visualize information on a dashboard and monitors.

Domain-focused Edge Gateways

Advantech's UNO-400 offers domain-focused edge gateways which satisfy diverse industry requirements. For smart infrastructure and industrial manufacturing, UNO-420 PoE powered Sensing Gateway ensures less cabling and easy installation in awkward or remote locations that may be difficult to reach with a power cable. Besides, flexible programmable GPIO supports both 8-channel ADC and DAC for data acquisition. UNO-410 supports C1D2+IEC ATEX (opentype) certification and wide temperature ranges from -40~70°C degree which are perfect for control cabinet usage. The new UNO-430 IP66 ruggedized outdoor gateways offer perfect support with C1D2 + ATEX (standalone) certification which are suitable for outdoor usage with waterproof and dustproof features along with wide temperature range -40~70°C support.

1

IoT Software Solutions

2

Edge AI and SKY Servers

3

Intelligent Systems

4

Machine Vision Solutions

5

Intelligent HMI and Monitors

6

Automation Computers

7

DAQ and Communication Gateways

8

Industrial Communication

9

Remote I/O, Wireless Sensing Modules and Converters

10

Intelligent Motion Control Solutions

11

EtherCAT Solutions and Automation Controllers

12

Industrial I/O Solutions

13

Intelligent Transportation Platforms

14

Utility and Energy Solutions

Real-time Embedded Controllers

NEW



Model Name	UNO-1372G-J	UNO-1372G-E	UNO-1483G	UNO-137
Certification	CE, FCC, UL, CCC, BSMI	CE, FCC, UL, CCC, BSMI	CE, FCC, UL, CCC, BSMI	CE, FCC, UL, CCC, BSMI
CPU	Intel® Celeron J1900 2.0 GHz	Intel Atom E3845	Intel® Core i3-4010U	Intel Atom E3940
Onboard RAM	Built-in 4 GB DDR3L	Built-in 4GB DDR3L	Built-in 8GB DDR3L	Built-in 8GB DDR3L
Battery-Backup RAM	-	-	-	-
Display	HDMI, DP	VGA, HDMI	VGA,DP	2 x DP
I/O	4 x iso. RS232/422/485, 2 x LAN, 4 x USB, 4 x DI, 4 x DO	1 x RS232, 1 x RS422/485, 3 x LAN, 3 x USB, 4 x DI, 4 x DO, Line out	1 x RS232, 2 x RS422/485, 4 x LAN, 4 x USB, 4 x DI, 4 x DO, Line out	2 x RS232/422/485, 2 x LAN, 4 x USB, 8x DI, 8 x DO
PCIe/PCI Expansion	2 x mPCIe	2 x mPCIe	1 x full size mPCIe 1 x half size mPCIe (with PCIe signal only) 1 x PCIe1	1 x full size mPCIe
CompactFlash Slots	-	-	-	-
Storage	1 x mSATA (shared with mPCIe slot) 1 x 2.5" HDD bay	1 x mSATA, 1 x 2.5" HDD bay	1 x mSATA, 1 x 2.5" HDD bay	1 x 2.5" HDD/SDD bay, 1 x M.2 2242 SSD Slot
SIM Card slot	1 x (micro)	2 x (1 Standard, 1 supported by project)	1 x (supported by project)	1 x (nano)
Default OS	-	-	-	-
Operating Systems	Win10, WES7P, WEC7, AdvLinuxTU	Win10, WES7P, WEC7, AdvLinux	Win10, WES7P, AdvLinux	Win10, Win10 LTSC, AdvLinux
TPM	TPM 2.0 onboard	TPM 1.2 by iDoor	TPM 1.2 by iDoor	TPM 2.0 onboard
Mounting	DIN rail	DIN rail, Wallmount	DIN rail, Wallmount	DIN rail
Power Input Range	10~36 V _{DC}	9~36 V _{DC}	12V/24V _{DC} ± 20%	10~36 V _{DC}
Operating Temperature	-20 ~ 60°C	-20 ~ 60°C	-20 ~ 60°C	-40 ~ 70°C
Power Consumption Typical	19 W	24 W	40 W	35 W
Dimensions (W x D x H)	65 x 105 x 150mm (2.6" x 4.1" x 5.9")	85 x 139 x 152 mm (3.3" x 5.5" x 6.0")	106 x 139 x 198 mm (4.2" x 5.8" x 7.8")	35 x 105 x 150 mm (1.4" x 4.2" x 5.8")
Weight	1 kg	1.6 kg	2.4 kg	1 kg



Expansion Kit	2nd stack expansion module to support 1 x iDOOR on UNO-137-E13BA
P/N	UNO-137-ID1EA
Ports	1 x iDOOR (Chassis only)
Dimensions	35 x 105 x 150 mm
Description	UNO-137 2nd stack expansion module for iDoor

IoT Automation Gateways



Model Name	UNO-2271G	UNO-2372G	UNO-2484G
CPU	Intel® Atom™ E3815, 1.33 GHz Intel® Atom™ E3815, 1.46 GHz	Intel® Atom™ E3845 1.91 GHz Intel® Celeron® J1900, 2 GHz Intel® Celeron® J3455 1.5GHz	Intel® Core i7-6600U, 2.6 GHz /i7-7600U, 2.8 GHz Intel® Core i5-6300U, 2.4 GHz/ i5-7300U, 2.6 GHz Intel® Core i3-6100U, 2.3 GHz/ i3-7100U, 2.4 GHz Intel® Celeron® 3955U, 2.0 GHz
Onboard RAM	4 GB DDR3L	4 GB DDR3L	8 GB DDR4
Battery-Backup RAM	-	-	-
Display	1 x HDMI	1 x DP, 1 x HDMI	1 x DP, 1 x HDMI
Audio	-	Line out	Line out
I/O	1 x USB3.0 2 x GbE (2x RJ45) (Optional 2 x COM: UNO-2271G-E23/E023 series; 3 x USB: UNO-2271G-E22/E022 series)	1 x USB3.0 3 x USB2.0 2 x GbE (2x RJ45) 1 x HDMI (lockable) 4 x RS-232/422/485	4 x USB3.0 4 x GbE (4x RJ45) 4 x RS-232/422/485
Hardware Security	Optional (support by project)	TPM2.0	TPM2.0
mPCIe Expansion	1 x Full-size mPCIe slot	2 x Full-size mPCIe slots	Single stack version: 1 x Full-size mPCIe slots Double stack version: 4 x Full-size mPCIe slots
PCIe/PCI Expansion	-	-	-
Onboard Storage	32 GB eMMC	-	-
Storage Expansion	1 x mSATA shared with mPCIe slot 1 x 2.5" HDD/SDD bay	-	1 x mSATA shared with mPCIe slot 1 x 2.5" HDD/SDD bay
Operating Systems	Windows 7/10, AdvLinux	Windows 7/10, AdvLinux	Windows 7/10, AdvLinux
Mounting	Stand, wallmount, VESA, DIN rail, pole	Stand, wallmount, VESA, DIN rail	Stand, wallmount, VESA, DIN rail
Operating Temperature	0 ~ 50°C (32 ~ 122°F)	-20 ~ 60°C (-4 ~ 140°F)	-20 ~ 60°C (-4 ~ 140°F)
Power Consumption Typical	12 W	30 W	55 W
Power Input Range	10 ~ 30V _{DC}	10 ~ 36V _{DC}	10 ~ 36V _{DC}
Dimensions (W x D x H)	100 x 70 x 30 mm (3.9" x 2.8" x 1.2"), UNO-2271G-E22BE/ E23BE/ E022AE/ E023AE: 100 x 70 x 60 mm (3.9" x 2.8" x 2.6")	Single stack version: 150 x 105 x 35 mm (5.8" x 4.2" x 1.4") Double stack version: 150 x 105 x 65 mm (5.8" x 4.2" x 2.6")	Single stack version: 200 x 140 x 40 mm (7.8" x 5.6" x 1.6") Double stack version: 200 x 140 x 70 mm (7.8" x 5.6" x 2.8")
Weight	UNO-2271G-E21BE/ E021AE: 0.5 kg 2271G-E22BE/ E23BE/ E022AE/ E023AE: 0.6 kg	Single stack: 0.8 kg Double stack: 1.0 kg	Single stack: 1.4 kg Double stack: 1.8 kg



Front view



Side View

Expansion Kit	2nd stack expansion module for support 1 x iDOOR on UNO-2271G-E21BE/ UNO-2271G-E021AE	2nd stack expansion module for support 3 USB2.0 ports on UNO-2271G-E21BE/ UNO-2271G-E021AE	2nd stack expansion module for support 2 RS-232/422/485 ports on UNO-2271G-E21BE/ UNO-2271G-E021AE	2nd stack expansion module for support 2 x iDOOR on UNO-2372G-xx21AE	2nd stack expansion module for support 4 x iDOOR (3 mPCIe slot) on UNO-2484G-xx31AE	2nd stack expansion module for support 2 external swappable HDD/ SSD Storage on UNO-2484G-xx31AE	2nd stack expansion module for support 1 PCIe4 card
P/N	UNO-2271G-EKBE	UNO-2271G-U3BE	UNO-2271G-R2BE	UNO-2372G-EKBE	UNO-2484G-EKBE	UNO-2484G-S2AE	UNO-2484G-PCIEAE
Ports	1 x iDOOR (Chassis only)	3 x USB2.0 ports	2 x RS-232/422/485 ports	2 x iDOOR (Chassis only)	4 x iDOOR (3 x mPCIe only)	2 x external swappable HDD/ SSD Storage	1 x PCIe4 slot for half-length PCIe card (W167 x H111 mm)
Dimensions	100 x 70 x 30 mm	100 x 70 x 30 mm	100 x 70 x 30 mm	150 x 155 x 35 mm	200 x 140 x 40 mm	200 x 140 x 40 mm	200 x 140 x 40 mm
Description	UNO-2271G 2nd stack extension kit for iDoor	UNO-2271G 2nd stack with 3 USB2.0 ports	UNO-2271G 2nd stack with 2 COM ports	UNO-2372G 2nd stack expansion module	UNO-2484G 2nd stack expansion module for 4 iDoor	UNO-2484G external swappable HDD extension kitU	NO-2484G second stack PCIe4 expansion module

1
IoT Software Solutions

2
Edge AI and SKY Servers

3
Intelligent Systems

4
Machine Vision Solutions

5
Intelligent HMI and Monitors

6
Automation Computers

7
DAQ and Communication Gateways

8
Industrial Communication

9
Remote I/O, Wireless Sensing Modules and Converters

10
Intelligent Motion Control Solutions

11
EtherCAT Solutions and Automation Controllers

12
Industrial I/O Solutions

13
Intelligent Transportation Platforms

14
Utility and Energy Solutions

Edge AI Expandable PCs



Model Name	UNO-3272G	UNO-3285C	UNO-3283G	UNO-3285G
Certification	CE, FCC, UL, CCC, BSMI	CE, FCC, UL, CCC, BSMI	CE, FCC, UL, CCC, BSMI	CE, FCC, UL, CCC
CPU	Intel® Celeron J1900, 2.0GHz Quad Core	Intel® Core™ i7-6822EQ, 2.0GHz Quad Core Intel® Celeron G3902E, 1.6GHz Dual Core	Intel® Core™ i7-6822EQ, 2.0GHz Quad Core Intel® Core™ i5-6442EQ, 1.9GHz Quad Core Intel® Core™ i5-6440EQ, 2.7GHz Quad Core Intel® Core™ i3-6102E, 1.9GHz Dual Core	Intel® Core™ i7-6822EQ, 2.0GHz Quad Core Intel® Core™ i5-6442EQ, 1.9GHz Quad Core Intel® Core™ i5-6440EQ, 2.7GHz Quad Core Intel® Core™ i3-6102E, 1.9GHz Dual Core
Onboard RAM	Built-in 4GB DDR3L 1333 MHz, two sockets support up to 8GB	Built-in 8GB DDR4 2133 MHz, two socket support up to 32GB Built-in 4GB DDR4 2133 MHz, two socket support up to 32GB	Built-in 8GB DDR4 2133 MHz, two socket support up to 32GB	Built-in 8GB DDR4 2133 MHz, two socket support up to 32GB
Battery-Backup RAM	-	-	-	-
Hardware Security	onboard TPM 2.0	TPM 2.0 (optional)	TPM 2.0 (optional)	TPM 2.0 (optional)
Display	1 x VGA, 1 x HDMI	1 x DVI, 1 x HDMI	1 x DVI, 1 x HDMI	1 x DVI, 1 x HDMI
Audio	Line-Out	-	Mic-in, Line-In, Line-Out (Pin Header)	Mic-in, Line-In, Line-Out (Pin Header)
I/O	2 x RS-232/422/485 2 x RS-232 1 x USB 3.0 3 x USB 2.0 2 x RJ45, 10/100/1000 Mbps	2 x RS-232/422/485 6 x USB 3.0 2 x RJ45, 10/100/1000 Mbps	2 x RS-232/422/485 2 x RS-232 (Pin header) 6 x USB 3.0 2 x RJ45, 10/100/1000 Mbps	2 x RS-232/422/485 2 x RS-232 (Pin header) 6 x USB 3.0 2 x RJ45, 10/100/1000 Mbps
PCIe/PCI Expansion	2 x PCIe x1 1 x Full-size mPCIe (optional 2 x PCI)	2 x PCIe x8 2 x PCI 2 x Full-size mPCIe (optional 4 x PCI)	1 x PCIe x16 1 x PCI 2 x Full-size mPCIe (optional 2 x PCI/ 2 x PCIe x8/ 4 x PCI)	2 x PCIe x8 2 x PCI 2 x Full-size mPCIe (optional 2 x PCI/ 2 x PCIe x8/ 4 x PCI)
CFast Slot	-	1	1	1
Storage	1 x M.2 B-key (2242) up to 512GB 1 x 2.5" HDD/SSD bay (internal)	1 x mSATA 2 x 2.5" HDD/SSD bay (internal)	1 x mSATA 2 x 2.5" HDD/SSD bay (Hot-swappable)	1 x mSATA 2 x 2.5" HDD/SSD bay (Hot-swappable)
Dual Power Input	Supported	Supported	Supported	Supported
Operating Systems	WIN7/8, WES7, Win10 Ent., Linux	WIN7/8, WES7, Win10 Ent., AdvLinux	WIN7/8, WES7, Win10 Ent., AdvLinux	WIN7/8, WES7, Win10 Ent., AdvLinux
Mounting	Wall/ Stand mount	Stand mount	Wall/ Stand/ Enclosure mount	Wall/ Stand/ Enclosure mount
Power Input Range	10-36V _{DC}	10-36V _{DC}	10-36V _{DC}	10-36V _{DC}
Operating Temperature	-20 ~ 60°C (-4 ~ 140°F)	-20 ~ 60°C (-4 ~ 140°F)	-20 ~ 60°C (-4 ~ 140°F)	-20 ~ 60°C (-4 ~ 140°F)
Power Consumption	24W(typical), 60W(Max)	90W(typical), 133W(Max)	90W(typical), 133W(Max)	90W(typical), 133W(Max)
Dimensions (W x D x H)	145 x 177 x 238 mm	196.6 x 238 x 177 mm	142 x 238 x 177mm	182 x 238 x 177mm
Weight	2.9 kg	4.7kg	4.0 kg	4.5 kg

IoT Edge Gateways

WISE-EdgeLink



NEW

RaspberryPi



NEW

WISE-PaaS/ DeviceOn



Model Name	WISE-710	UNO-220	UNO-247
CPU	i.Mx6 ARM Cortex-A9 1GHz Dual Core	-	Intel® Celeron® J3455 1.5GHz
Onboard RAM	1GB DDR3	-	-
Display	-	-	1 x HDMI 1 x VGA
I/O	Serial: COM1 1 x RS232/485, DB9 COM2 1 x RS485/CANBus (by switch), 5pin COM3 1 x RS485, 2pin LAN: 2 x 10/100/1000 Base-T RJ-45 ports USB: 1 x Micro USB Host (Support flash storage)	4 x GPIO 1 x RS232/RS485	2 x USB2.0 2 x USB3.0 4 x RS-232 2 x RS485 2 x GbE (RJ45)
PCIe/PCI Expansion	1 x Full size mPCIe for Wifi or LTE	-	-
Storage	8GB eMMC; 1 x Micro SD slot	8GB Micro SD card	-
SIM Card slot	-	-	1 SIM card slot
Operating Systems	Linux Ubuntu 16.04 (Default) and Linux Yocto 2.1	Linux (Raspbian)	Win10 2019 LTSC, AdvLinux
TPM	-	Supported by project	Supported by project
Mounting	Wallmount, DIN rail	Wallmount	Stand mount, Din rail (Optional)
Power Input Range	24VDC ± 20%, 0.5A	5 VDC Min 3A (USB Type C)	12VDC (Adapter inside)
Operating Temperature	-20 ~ 55°C (-4 ~ 131°F)	0 ~ 50°C (32~122°F)	0 ~ 50°C (32~122°F)
Power Consumption Typical	5W @ 24V _{DC}	15W	17W
Dimensions (W x D x H)	115.58 x 73 x 36 mm	100 x 70 x 32 mm	200 x 140 x 50 mm
Weight	0.17 kg	0.5 kg	1.0kg

1

IoT Software Solutions

2

Edge AI and SKY Servers

3

Intelligent Systems

4

Machine Vision Solutions

5

Intelligent HMI and Monitors

6

Automation Computers

7

DAQ and Communication Gateways

8

Industrial Communication

9

Remote I/O, Wireless Sensing Modules and Converters

10

Intelligent Motion Control Solutions

11

EtherCAT Solutions and Automation Controllers

12

Industrial I/O Solutions

13

Intelligent Transportation Platforms

14

Utility and Energy Solutions

Domain-focused Edge Gateways



WISE-EdgeLink



Model Name	UNO-410	UNO-430	UNO-1372GH	UNO-420
Certification	C1D2, ATEX (opentype), CE, FCC, UL, CCC, BSMI	C1D2, ATEX (standalone), CE, FCC, UL, CCC, BSMI	C1D2, CE, FCC, UL, CCC, BSMI	CE, FCC, UL, CCC, BSMI
Protection	IP40	IP66	IP40	IP40
CPU	Intel Atom® X5-E3940, 1.8 GHz Quad Core	Intel Atom® X7-E3950, 2.0 GHz Quad Core	Intel Atom® E3845, 1.91 GHz Quad Core	Intel Atom® E3815, 1.46 GHz Single Core
Onboard RAM	Built-in 8GB DDR3L 1333 MHz, support up to 8GB	Built-in 8GB DDR3L 1333 MHz, support up to 8GB	Built-in 4GB DDR3L 1333 MHz, support up to 8GB	Onboard 2GB DDR3L 1066 MHz
Battery-Backup RAM	-	-	-	-
Onboard Storage	-	-	-	32GB eMMC
Hardware Security	Onboard TPM 2.0	Onboard TPM 2.0	TPM 2.0 (optional)	Onboard TPM 2.0
Display	2 x DP	-	1 x VGA, 1 x HDMI	1 x HDMI
I/O	2 x RS-232/422/485 (Terminal Block) 4 x USB3.1 Isolated 8DI/ 8DO 2 X RJ45, 10/100/1000Mbps	2 x isolated RS-422/485 1 x RS-232 (console) 2 X RJ45, 10/100/1000Mbps	1 x RS232 1 x RS422/485 1 x USB 3.0 3 x USB 2.0 Isolated 4DI/ 4DO 3 X RJ45, 10/100/1000Mbps 1 x Line-Out	2 x RS-232/422/485 1 x RS-485 (Terminal Block) 2 x RJ45, 10/100/1000Mbps (1 x PoE-IN)
PCIe/PCI Expansion	1 x Full-size mPCIe	1 x M.2 B key 3042 for LTE module 1 x M.2 E key 2230 for Wifi module	2 x Full-size mPCIe	1 x Full-size mPCIe slot 1 x Half-size mPCIe slot
Storage	1 x M.2 B key (Both for 3042 LTE Module and 2242 SSD) 1 x 2.5" SSD bay	1 x M.2 B-key (2242)	1 x mSATA 1 x 2.5" HDD bay	1 x M.2 B-key (2242)
SIM Card Slot	1 (nano)	1 (standard)	-	1 (micro)
Operating Systems	Win10, Win10 LTSC, AdvLinux	Win10, Win10 LTSC, AdvLinux	WIN7/8, WES7, Win10 Ent., AdvLinux	Win10, Win10 LTSC, AdvLinux
Mounting	Din rail	Wallmount	Din rail, wallmount	Wallmount
Power Input Range	10-36V _{DC}	10-36V _{DC}	10-36V _{DC}	10-30V _{DC}
Operating Temperature	-40 ~ 70°C (-40 ~ 158°F)	-40 ~ 70°C (-40 ~ 158°F)	-20 ~ 60°C (-4 ~ 140°F)	-20 ~ 60°C (-4 ~ 140°F)
Power Consumption	35W (Typical), 55W (Max)	15W (Typical), 30W (Max)	24W(typical), 50W(Max)	12W(typical), 20W(Max)
Dimensions (W x D x H)	35 x 105 x 150 mm	200 x 68 x 200 mm	85 x 139 x 152 mm	125 x 125 x 50 mm
Weight	1kg	3 kg	1.6 kg	1.5kg

iDoor Technology Modules

iDoor CORE



Model Name	PCM-2300MR	PCM-23C1CF	PCM-23U1DG	PCM-24U2U3	PCM-27J3AU
Description	MR4A16B, MRAM, 2 MB, mPCIe	1 CFast Slot with cover protection	USB slot w/ lock for USB dongle, half-size mPCIe	2-port USB 3.0, mPCIe, USB-A type	3-port audio stereo, mPCIe, 3.5-mm jack

iDoor Wired/ Wireless Communication



Model Name	PCM-24S2WF	PCM-24S33G	PCM-24S34G	PCM-24BXWF	PCM-24BX4G
Description	Wi-Fi 802.11 a/b/g/n 2T2R w/Bluetooth 4.0, half-size mPCIe, antennas	3.75G HSPA/GPS, full-size mPCIe, front-accessible dual SIM card slots, 3G/ GPS antennas	LTE/HSPA+/GPRS and GPS, full-size mPCIe, 4G/ GPS antennas	Wi-Fi 802.11 a/b/g/n 2T2R w/Bluetooth 4.0, iDoor box, antennas	4G Cat.6, LTE-A/UMTS/ HSPA+, iDoor box, 4G/ GPS antennas

iDoor Industrial Fieldbus Communication



Model Name	PCM-26D2CA	PCM-26D1DB	PCM-26R2PN	PCM-26R2EC	PCM-26R2EI	PCM-26R2S3	PCM-26R2PL
Description	2-port isolated CANBus mPCIe, CANopen, DB9	1-port Hilscher netX100 FieldBus mPCIe, PROFIBUS, DB9	2-port Hilscher netX100 FieldBus mPCIe, PROFINET, RJ45	2-port Hilscher netX100 FieldBus mPCIe, EtherCAT, RJ45	2-port Hilscher netX100 FieldBus mPCIe, EtherNet/IP, RJ45	2-port Hilscher netX100 FieldBus mPCIe, Sercos III, RJ45	2-port Hilscher netX100 FieldBus mPCIe, POWERLINK, RJ45

iDoor Smart Digital/ Analog I/O



Model Name	PCM-24D2R4	PCM-24D2R2	PCM-24D4R4	PCM-24D4R2	PCM-24R1TP	PCM-24R1TP-BE	PCM-24R2PE	PCM-24R2GL	PCM-27D24DI
Description	2-port Isolated RS-422/485, mPCIe, DB9	2-port Isolated RS-232, mPCIe, DB9	4-port non-isolated RS-422/485 mPCIe, DB37 cable	4-port non-isolated RS-232 mPCIe, DB37 cable	1-port Gigabit Ethernet, Intel® i22574L, mPCIe, RJ45	1-port Gigabit Ethernet, Intel® i225 TSN, mPCIe, RJ45	2-port Gigabit Ethernet, IEEE 802.3af (PoE)-compliant, mPCIe, RJ45	2-port Gigabit Ethernet, Intel® i350, mPCIe, RJ45	24-ch isolated digital I/O with counter mPCIe, DB37

iDoor Accessories



Model Name	PCM-28P1AD	PCM-28P1BK
Description	PCIe to mPCIe, 2-slot mPCIe, iDoor I/O plate expansion	iDoor PCIe I/O plate

iDoor Industrial Domain Application



Model Name	PCM-29R1TX
Description	1-Port iLink(TX), Long Distant Display Out, RJ45

1
IoT Software Solutions

2
Edge AI and SKY Servers

3
Intelligent Systems

4
Machine Vision Solutions

5
Intelligent HMI and Monitors

6
Automation Computers

7
DAQ and Communication Gateways

8
Industrial Communication

9
Remote I/O, Wireless Sensing Modules and Converters

10
Intelligent Motion Control Solutions

11
EtherCAT Solutions and Automation Controllers

12
Industrial I/O Solutions

13
Intelligent Transportation Platforms

14
Utility and Energy Solutions

iDoor Support Table

Model/Platform	Function	UNO-1372G-E	UNO-1372G-J	UNO-2271G-E2	UNO-2272G-N2	UNO-2272G-J2	UNO-2362G
PCM-2300TM	TPM	*	-	-	-	-	-
PCM-2300MR	MRAM	✓	✓	✓	✓	✓	✓
PCM-23C1CF	CFast	✓	-	-	-	-	✓
PCM-23U1DG	USB dongle w/mPCIe	✓	✓	✓	✓	✓	✓
PCM-24U2U3	USB 3.0	✓	✓	-	✓	✓	-
PCM-24D2R2	Iso. RS-232	✓	✓	✓	✓	✓	✓
PCM-24D2R4	Iso. RS-422/485	✓	✓	✓	✓	✓	✓
PCM-24D4R2	Non-iso. RS-232	✓	✓	✓	✓	✓	✓
PCM-24D4R4	Non-iso. RS-422/485	✓	✓	✓	✓	✓	✓
PCM-24R1TP	GigaLAN IEEE1588/ TSN i225	✓	✓	✓	✓	✓	✓
PCM-24R2GL	2-port GigaLAN	✓	✓	✓	✓	✓	✓
PCM-24R2PE	PoE	✓	✓	✓	✓	✓	✓
PCM-24S2WF	M.2 Wi-Fi	✓	✓	✓	✓	✓	✓
PCM-24S23G	3G/GPS w/SMA BKT	✓	✓	✓	✓	✓	✓
PCM-24S33G	3G/GPD w/dual SIM	✓	✓	✓	✓	✓	✓
PCM-24S34G	LTE	✓	✓	✓	✓	✓	✓
PCM-24BXWF	Wifi iDoor Box	-	✓	**	**	-	-
PCM-24BX4G	LTE iDoor Box	-	✓	**	**	-	-
PCM-26D2CA	CANOpen	✓	✓	✓	✓	✓	✓
PCM-26D1DB	PROFIBUS	✓	✓	✓	✓	✓	✓
PCM-26R2PN	PROFINET	✓	✓	✓	-	-	-
PCM-26R2EC	EtherCAT	✓	✓	✓	✓	✓	✓
PCM-26R2EI	EtherNet/IP	✓	✓	✓	-	-	-
PCM-26R2S3	Sercos 3	✓	✓	✓	✓	✓	✓
PCM-26R2PL	POWERLINK	✓	✓	✓	-	-	-
PCM-27D24DI	Iso. digital I/O	✓	✓	✓	✓	✓	✓
PCM-27J3AU	Audio	✓	✓	✓	✓	-	✓
PCM-28P1AD	iDoor PCIe adapter card	✓	✓	✓	✓	-	-
PCM-28P1BK	iDoor PCIe I/O plate	-	-	-	-	-	-
PCM-29R1TX	iLink	✓	✓	-	-	✓	-

Model/Platform	Function	UNO-2372G-E022AE	UNO-2473G-E3	UNO-2473G-J3	UNO-2483G	UNO-2484G-67x1AE	UNO-2484G-67x2AE	UNO-3283G
PCM-2300TM	TPM	-	✓	-	✓	-	-	✓
PCM-2300MR	MRAM	✓	✓	✓	✓	✓	✓	✓
PCM-23C1CF	CFast	✓	✓	✓	✓	-	**	-
PCM-23U1DG	USB dongle w/mPCIe	✓	✓	✓	✓	-	✓	✓
PCM-24U2U3	USB 3.0	✓	✓	✓	*	-	✓	✓
PCM-24D2R2	Iso. RS-232	✓	✓	✓	✓	-	✓	✓
PCM-24D2R4	Iso. RS-422/485	✓	✓	✓	✓	-	✓	✓
PCM-24D4R2	Non-iso. RS-232	✓	✓	✓	✓	-	✓	✓
PCM-24D4R4	Non-iso. RS-422/485	✓	✓	✓	✓	-	✓	✓
PCM-24R1TP	GigaLAN IEEE1588/ TSN i225	✓	✓	✓	✓	-	✓	✓
PCM-24R2GL	2-port GigaLAN	✓	✓	✓	✓	-	✓	✓
PCM-24R2PE	PoE	✓	✓	✓	✓	-	✓	✓
PCM-24S2WF	M.2 Wi-Fi	✓	✓	✓	✓	✓	✓	✓
PCM-24S23G	3G/GPS w/SMA BKT	✓	✓	✓	✓	✓	✓	✓
PCM-24S33G	3G/GPD w/dual SIM	✓	✓	✓	✓	-	✓	✓
PCM-24S34G	LTE	✓	✓	✓	✓	✓	✓	✓
PCM-24BXWF	Wifi iDoor Box	✓	-	-	-	-	✓	**
PCM-24BX4G	LTE iDoor Box	✓	-	-	-	-	✓	**
PCM-26D2CA	CANOpen	✓	✓	✓	✓	-	✓	✓
PCM-26D1DB	PROFIBUS	✓	✓	✓	✓	-	✓	✓
PCM-26R2PN	PROFINET	✓	✓	✓	✓	-	✓	✓
PCM-26R2EC	EtherCAT	✓	✓	✓	✓	-	✓	✓
PCM-26R2EI	EtherNet/IP	✓	✓	✓	✓	-	✓	✓
PCM-26R2S3	Sercos 3	✓	✓	✓	✓	-	✓	✓
PCM-26R2PL	POWERLINK	✓	✓	✓	✓	-	✓	✓
PCM-27D24DI	Iso. digital I/O	✓	✓	✓	✓	-	✓	✓
PCM-27J3AU	Audio	✓	-	✓	-	-	✓	✓
PCM-28P1AD	iDoor PCIe adapter card	-	-	-	-	-	-	✓
PCM-28P1BK	iDoor PCIe I/O plate	-	-	-	-	-	-	✓
PCM-29R1TX	iLink	✓	✓	✓	✓	-	✓	*

* Contact Advantech for further information

**Need extra accessory